Dual-port Modbus Gateway
Aport-212

Features

- Gateway of Modbus / TCP to Modbus RTU / ASCII
- 2 x configurable serial ports
- Supports up to 16 x Modbus / TCP masters or 32 x Modbus / TCP slaves
- Supports transparent serial to Ethernet conversion
- 1 x 10/100Mbps Ethernet port
- Supports telnet, web and serial console configuration
- Support command line interface configuration
- Windows configuration utility included
- Firmware upgradable by Ethernet / Internet

H/W Specifications

CPU / Memory
- CPU: NXP Arm Cortex-M3 LPC1768 100MHz
- Memory: 512KB on-chip Flash, 64KB SRAM

Network Interface
- Type: 1 x 10/100Mbps Ethernet, RJ45 connector
- Protection: 1500Vrms magnetic isolation

Serial Ports
- Port 1: RS-232 / 422 / 485
- Port 2: RS-232

Serial Port Parameters
- Baud Rate: 1.2~921.6Kbps
- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 2
- Flow Control: None / Hardware / XON_XOFF
- Protection: 1500Vrms ESD

Serial Console Port
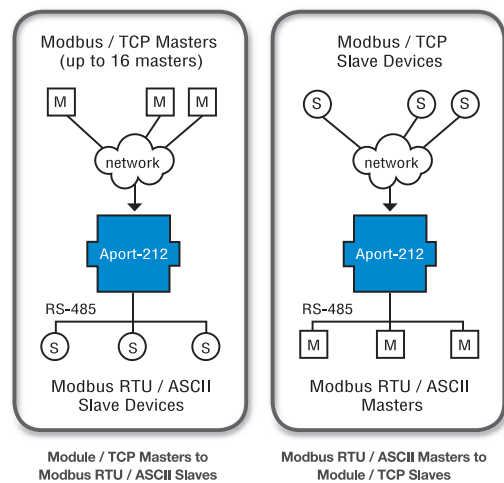- RS-232: 115.2Kbps baud rate, no flow control, 8 bits data, 1 stop bit

Operation Mode
- Modbus Gateway: Slave RTU, Slave ASCII, Master RTU, Master ASCII
- S2E Gateway: TCP server, TCP client

General
- Power Input: +9~+40VDC power jack and terminal block
- Dimensions (W x H x D): 78 x 108 x 24mm (3.0x4.25x0.94in)
- Operating Temperature: 0~60ºC

Block Diagram

Module / TCP Masters to Modbus RTU / ASCII Slaves

Modbus RTU / ASCII Masters to Module / TCP Slaves

Ordering Information

Aport-212
- Modbus Gateway with 2 x Serial Ports, and 1 x Ethernet Port

CB-RJ2CON-100 (91-RJCON-100)
- Console Cable (RJ45 to DB9 Female, 100cm)

DK-35A (36-DK35A-000)
- DIN RAIL Mounting Kit

PWR-12V-1A (31-62100-000)
- 110~240VAC to 12VDC 1A Power Adapter